



**GOVERNMENT OF PUDUCHERRY
AVVAIYAR GOVERNMENT COLLEGE FOR WOMEN**

KARAIKAL-PUDUCHERRY (UT)
AFFILIATED TO PONDICHERRY UNIVERSITY
Nationally Accredited at 'B' Grade by NAAC

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**INVITATION FOR SEALED QUOTATIONS FOR
NETWORK INFRASTRUCTURE SETUP**

Sealed quotations are invited from reputed vendors/system integrators for the design, supply, installation, and configuration of a campus-wide wireless and security infrastructure within the budget of ₹5,00,000 (Rupees Five Lakhs only) under RUSA 2.0 Equity Initiative.

CAMPUS PROFILE & USER COUNT

User Group	Count
Students	1450
Teaching Faculty	52
Non-Teaching Staff	16
Total Users	1518+
Guest Access	Enabled via Time-limited Captive Portal

User accounts shall be created for all stakeholders with group-based SSIDs (e.g., Student, Faculty, Staff, Guest), bandwidth management, and custom access policies.

INFRASTRUCTURE REQUIREMENTS

1. PRIMARY BLOCK SETUP

- One Firewall Appliance (New) with basic security subscription (upgradeable in the future)
- Five Cambium cn pilot e400 Access Points (Existing and operational)
- One Network Rack(Existing)
- Firewall and new APs to be integrated into the existing 24-port switch



- e. Additional APs to be added as feasible based on capacity and coverage in the Primary block

2. INTER-BLOCK CONNECTIVITY

- a. Two blocks to be connected via single firewall in the Primary block

3. NEW ACADEMIC BLOCK SETUP

- a. Two Dual-Band Indoor Access Points (Wi-Fi 5/6 recommended)
- b. One 24-Port Managed Gigabit Switch

FIREWALL FEATURES (ENTRY-LEVEL)

Feature	Description
User Support	Supports a minimum of 1500 users and 500 concurrent sessions
Firewall Throughput	≥ 500 Mbps NGFW throughput
Subscription	Basic 1-year license included (Web Filter, Application Control, Basic IPS)
Scalability	Can be upgraded to advanced features (VPN, sandboxing) as needed
Authentication	Captive portal, MAC binding, user login, VLAN support
Group Policies	SSID-based access: Student / Faculty / Staff / Guest
Guest Portal	Time-limited with custom branding
Bandwidth Control	Per-user/per-group quota or speed limit
Reports	Login records, bandwidth usage, top users, alerts
Form Factor	Desktop or rackmount appliance with internal power



ACCESS POINT REQUIREMENTS

Location	Quantity	Type	Notes
Primary Block	Minimum 2 (new)	Wi-Fi 5/6	To supplement 5 existing Cambium APs
New Academic Block	2	Wi-Fi 5/6	New setup, dual-band
Total	Minimum 4		PoE supported preferred

All access points must support:

- Minimum 40–60 concurrent users
- SSID segmentation, dual-band coverage (2.4 GHz + 5 GHz)
- Central management or standalone configuration support

NETWORK CABLING & SWITCHES

Component	Description
CAT6 Cabling	Shielded recommended, structured layout
24-Port Gigabit Switch	Managed, VLAN support, for New Academic Block
Installation Services	AP mounting, cabling, configuration of all devices
Rack Utilization	Use existing rack in Primary Block and New Academic Block



FORMAT FOR SUBMISSION OF QUOTATION

Vendors must submit quotes clearly mentioning each of the following as separate line items:

Sl. No	Item	Description	Quantity	Brand/Model	Unit Price (₹)	Total Price (₹)	Remarks
1	Firewall Installation	Network security system for both campuses	1				With a basic 1-year or 3-year subscription
2	Access Points	Additional Access Points (Primary Block)	To be mentioned by the vendor				Wi-Fi 5 or Wi-Fi 6
		Access Points (New Academic Block)	2				Wi-Fi 6 preferred
3	Network Cabling & Switches	Structured LAN cabling and related infrastructure	To be mentioned by the vendor				
		24-port switch	1				
4	Installation & Configuration Charges	Professional setup, testing, and deployment	To be mentioned by the vendor	-	-		VLANs, SSID, Policies
5	Maintenance & Technical Support	Annual service, troubleshooting, and repairs	To be mentioned by the vendor	-	-		
Total (with GST) ≤ ₹5,00,000							



ADDITIONAL NOTES

- a. Basic subscription for firewall security services (1 Year/ 3 years) is mandatory; advanced features may be activated later as per budget.
- b. Solution must be scalable and maintainable with minimal IT expertise on campus.
- c. All licenses, warranties, and admin access credentials must be handed over upon completion.

QUOTATION SUBMISSION DETAILS

- a. Submit sealed quotations to:

The Principal
Avvaiyar Government College for Women
Karaikal – 609602


(Superscribe: "Quotation for Campus Wi-Fi and Firewall Setup – RUSA 2.0")

- b. Last Date: Within 7 working days of this notice
- c. Enclose:
 - i. Company Profile, PAN, GST
 - ii. Product datasheets
 - iii. Authorization letter from OEM/distributor (if applicable)
 - iv. Prior experience in college or govt. campus Wi-Fi deployment preferred

TERMS & CONDITIONS

- a. The College reserves the right to accept or reject any or all quotations without assigning reasons.
- b. Payment will be made only after full installation, testing, and handover.
- c. Vendor must provide at least a 1-year onsite warranty and support documentation.




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